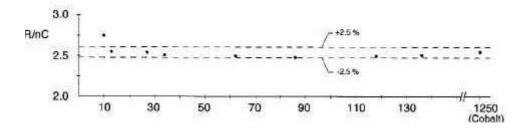


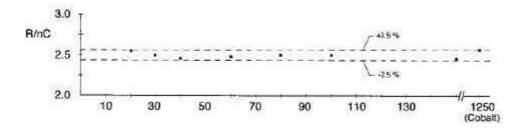


MAGNA 1cc Parallel Plate Ion Chamber

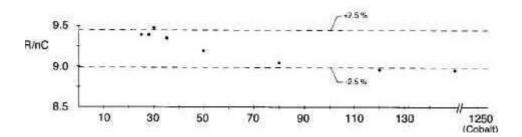
MAGNA chambers are constructed of *Air Equivalent* Shonka conductive plastic. This makes MAGNA chambers ideally suited for all air kerma, absorbed dose, and exposure measurements. The window is constructed of 0.025mm thick Kapton impregnated with graphite. Cable connectors are standard, triaxial BNC or TNC connectors making the MAGNA chambers easy to connect to most electrometers. Other cable connectors and adapters are available.



MAGNA 1cc Parallel Plate Ion Chamber, 92600. ADCL Calibration Points for mammographic and diagnostic x-ray energies, and for cobalt. These calibrations were performed at the following ADCL calibration points: 20M, 30M, 40M, 60M, 80M, 100M, 150M, and cobalt.



MAGNA 1cc Parallel Plate Ion Chamber, 92600. Measurements done with orthovoltage and superficial x-ray treatment systems. These measurements were done at the following energy levels: 10, 13, 27, 34, 62, 86, 118, and 135 keV, and also on cobalt.



MAGNA 3cc Parallel Plate Ion Chamber, 92650. ADCL Calibration Points for mammographic and diagnostic x-ray energies. These calibrations were performed at the following ADCL calibration points: 25MO, 28MO, 35MO, 30M, 50M, 80M, 120M, and 150M. MO points = +, M points = ·

SPECIFICATIONS

| | 1cc | 3cc |
|----------------------|---|--|
| Energy Dependence | Within +/- 1% for HVL of 0.15mm to 0.73 Al, Within +/- 2% for 20 to 150 kVp | Within +/- 2.5% for 30 to 150 kVp |
| Construction | Air Equivalent conductive plastic | Air Equivalent conductive plastic |
| Sensitivity | 2 x 10 ⁹ R/C | 9.75 x 10 ⁸ R/C |
| Collecting Volume | 1cc | 3cc |
| Vented | Yes | Yes |
| Leakage | < 10 ⁻¹⁴ A | < 10 ⁻¹⁴ A |
| Typical Bias | 50 to 300 VDC | 50 to 300 VDC |
| Window | 0.025mm thick Kapton impregnated with graphite | 0.025mm thick Kapton impregnated with graphite |
| Cable Length | 3 meter with tri-axial BNC or TNC connector standard | 3 meter with tri-axial BNC or TNC connector standard |

Specifications subject to change without notice.

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